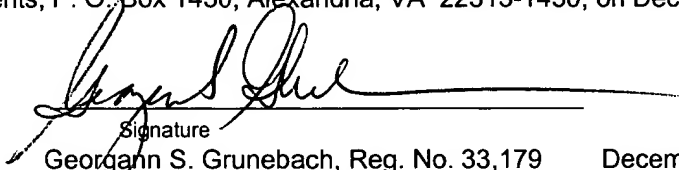




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Signature

Georgann S. Grunebach, Reg. No. 33,179
(Typed or Printed Name of Person Signing Certificate)

December 23, 2004
Date

(310) 964-4615
Telephone Number

Customer Number 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | | |
|-----------------------|-----------------------------|---|----------------------|-------------------|
| In Re Application of: | Arthur R. Tilford | : | Date: | December 23, 2004 |
| | | : | | |
| Serial No.: | 09/590,417 | : | Art Group No.: | 2614 |
| Filed: | June 8, 2000 | : | Examiner: | Scott E. Beliveau |
| | | : | | |
| For: | METHOD AND APPARATUS FOR | : | | |
| | TRANSMITTING, RECEIVING AND | : | | |
| | UTILIZING AUDIO/VISUAL | : | | |
| | SIGNALS AND OTHER | : | Attorney Docket No.: | PD-990142 |
| | INFORMATION | : | | |

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(e)
WITH PAYMENT OF FEE UNDER 37 C.F.R. § 1.17(P)

Mail Stop RCE
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. § 1.97(e), the art listed and identified on the attached PTO form (copies of references enclosed) is being submitted herewith for consideration by the Examiner.

The Applicants submit that the art cited herein as per the requirements of 37 C.F.R. § 1.97(e) were known to individuals under obligation of compliance under 37 C.F.R. § 1.56(c). However, under 37 C.F.R. § 1.97(e)(2), this art was not cited in a communication from a foreign patent office in a counterpart foreign application.

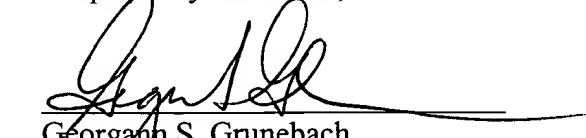
This information disclosure statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

PAYEMNT OF FEE SET FORTH IN § 1.17(P)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to that account.

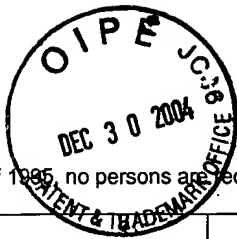
This form is being submitted in duplicate.

Respectfully submitted,


Georgann S. Grunebach
Registration No. 33,179
Attorney for Applicant(s)

Date: December 23, 2004

The DIRECTV Group, Inc.
2250 East Imperial Highway
P. O. Box 956
El Segundo, CA 90245
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|-------------------|
| Application Number | 09/590,417 |
| Filing Date | June 8, 2000 |
| First Named Inventor | Arthur R. Tilford |
| Art Unit | 2614 |
| Examiner Name | Scott Beliveau |
| Attorney Docket Number | PD-990142 |

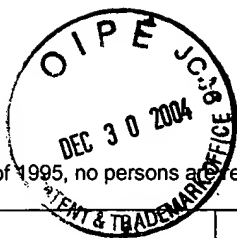
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| Examiner Initials* | Cite No. | Document Number Number-Kind Code | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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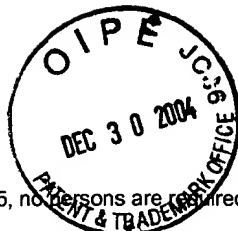
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| | Application Number | 09/590,417 |
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| | First Named Inventor | Arthur R. Tilford |
| | Art Unit | 2614 |
| | Examiner Name | Scott Beliveau |
| Sheet 3 of 4 | Attorney Docket Number | PD-990142 |

U.S. PATENT DOCUMENTS

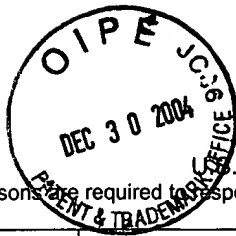
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| | Art Unit | 2614 |
| | Examiner Name | Scott Beliveau |
| Sheet 4 of 4 | Attorney Docket Number | PD-990142 |

| NON PATENT LITERATURE DOCUMENTS | | | |
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